

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/541,247
Source: P4/10
Date Processed by STIC: 11/7/05

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PCT

RAW SEQUENCE LISTING

DATE: 11/07/2005

PATENT APPLICATION: US/10/541,247

TIME: 09:23:43

Input Set : A:\SPT-0001 Sequence Listing.txt

Output Set: N:\CRF4\11072005\J541247.raw

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3 <110> APPLICANT: SHANGHAI INSTITUTES FOR BIOLOGICAL SCIENCES, CHINESE ACADEMY OF SCIENCES
5 <120> TITLE OF INVENTION: HUMAN LIVER REGENERATION ASSOCIATED PROTEIN AND THE USE THEREOF
7 <130> FILE REFERENCE: 027884 PCWO
-> 9 <140> CURRENT APPLICATION NUMBER: US/10/541,247
-> 9 <141> CURRENT FILING DATE: 2005-07-01
9 <150> PRIOR APPLICATION NUMBER: CN 03114718
10 <151> PRIOR FILING DATE: 2003-01-03
12 <160> NUMBER OF SEQ ID NOS: 13
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 625
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
21 <220> FEATURE:
22 <221> NAME/KEY: CDS
23 <222> LOCATION: (16)..(621)
24 <223> OTHER INFORMATION:
-> 27 <400> 1
28 tcgtaccacc ccaga atg tgc act gga ggc tgt gcc aga tgc ctg ggg ggg 51
29 Met Cys Thr Gly Gly Cys Ala Arg Cys Leu Gly Gly
30 1 5 10
32 acc ctc att ccc ctt gct ttt ttt ggc ttc ctg gct aac atc ctg tta 99
33 Thr Leu Ile Pro Leu Ala Phe Phe Gly Phe Leu Ala Asn Ile Leu Leu
34 15 20 25
36 ttt ttt cct gga gga aaa gtg ata gat gac aac gac cac ctt tcc caa 147
37 Phe Phe Pro Gly Gly Lys Val Ile Asp Asp Asn Asp His Leu Ser Gln
38 30 35 40
40 gag atc tgg ttt ttc gga gga ata tta gga agc ggt gtc ttg atg atc 195
41 Glu Ile Trp Phe Phe Gly Gly Ile Leu Gly Ser Gly Val Leu Met Ile
42 45 50 55 60
44 ttc cct gcg ctg gtg ttc ttg ggc ctg aag aac aat gac tgc tgt ggg 243
45 Phe Pro Ala Leu Val Phe Leu Gly Leu Lys Asn Asn Asp Cys Cys Gly
46 65 70 75
48 tgc tgc ggc aac gag ggc tgt ggg aag cga ttt gcg atg ttc acc tcc 291
49 Cys Cys Gly Asn Glu Gly Cys Gly Lys Arg Phe Ala Met Phe Thr Ser
50 80 85 90
52 acg ata ttt gct gtg gtt gga ttc ttg gga gct gga tac tcg ttt atc 339
53 Thr Ile Phe Ala Val Val Gly Phe Leu Gly Ala Gly Tyr Ser Phe Ile
54 95 100 105
56 atc tca gcc att tca atc aac aag ggt cct aaa tgc ctc atg gcc aat 387
57 Ile Ser Ala Ile Ser Ile Asn Lys Gly Pro Lys Cys Leu Met Ala Asn
58 110 115 120
60 agt aca tgg ggc tac ccc ttc cac gac ggg gat tat ctc aat gat gag 435

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61 Ser Thr Trp Gly Tyr Pro Phe His Asp Gly Asp Tyr Leu Asn Asp Glu
62 125 130 135 140
64 gcc tta tgg aac aag tgc cga gag cct ctc aat gtg gtt ccc tgg aat 483
65 Ala Leu Trp Asn Lys Cys Arg Glu Pro Leu Asn Val Val Pro Trp Asn
66 145 150 155
68 ctg acc ctc ttc tcc atc ctg ctg gtc gta gga gga atc cag atg gtt 531
69 Leu Thr Leu Phe Ser Ile Leu Leu Val Val Gly Gly Ile Gln Met Val
70 160 165 170
72 ctc tgc gcc atc cag gtg gtc aat ggc ctc ctg ggg acc ctc tgt ggg 579
73 Leu Cys Ala Ile Gln Val Val Asn Gly Leu Leu Gly Thr Leu Cys Gly
74 175 180 185
76 gac tgc cag tgt tgt ggc tgc tgt ggg gga gat gga ccc gtt taaa 625
77 Asp Cys Gln Cys Cys Gly Cys Cys Gly Gly Asp Gly Pro Val
78 190 195 200
81 <210> SEQ ID NO: 2
82 <211> LENGTH: 202
83 <212> TYPE: PRT
84 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 2
88 Met Cys Thr Gly Gly Cys Ala Arg Cys Leu Gly Gly Thr Leu Ile Pro
89 1 5 10 15
92 Leu Ala Phe Phe Gly Phe Leu Ala Asn Ile Leu Leu Phe Phe Pro Gly
93 20 25 30
96 Gly Lys Val Ile Asp Asp Asn Asp His Leu Ser Gln Glu Ile Trp Phe
97 35 40 45
100 Phe Gly Gly Ile Leu Gly Ser Gly Val Leu Met Ile Phe Pro Ala Leu
101 50 55 60
104 Val Phe Leu Gly Leu Lys Asn Asn Asp Cys Cys Gly Cys Cys Gly Asn
105 65 70 75 80
108 Glu Gly Cys Gly Lys Arg Phe Ala Met Phe Thr Ser Thr Ile Phe Ala
109 85 90 95
112 Val Val Gly Phe Leu Gly Ala Gly Tyr Ser Phe Ile Ile Ser Ala Ile
113 100 105 110
116 Ser Ile Asn Lys Gly Pro Lys Cys Leu Met Ala Asn Ser Thr Trp Gly
117 115 120 125
120 Tyr Pro Phe His Asp Gly Asp Tyr Leu Asn Asp Glu Ala Leu Trp Asn
121 130 135 140
124 Lys Cys Arg Glu Pro Leu Asn Val Val Pro Trp Asn Leu Thr Leu Phe
125 145 150 155 160
128 Ser Ile Leu Leu Val Val Gly Gly Ile Gln Met Val Leu Cys Ala Ile
129 165 170 175
132 Gln Val Val Asn Gly Leu Leu Gly Thr Leu Cys Gly Asp Cys Gln Cys
133 180 185 190
136 Cys Gly Cys Cys Gly Gly Asp Gly Pro Val
137 195 200
140 <210> SEQ ID NO: 3
141 <211> LENGTH: 20
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial sequence

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145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <222> LOCATION: (1)..(20)
148 <223> OTHER INFORMATION: primer
151 <400> SEQUENCE: 3
152 gtcgtaccac cccagaatgt                                20
155 <210> SEQ ID NO: 4
156 <211> LENGTH: 20
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial sequence
160 <220> FEATURE:
161 <221> NAME/KEY: misc_feature
162 <222> LOCATION: (1)..(20)
163 <223> OTHER INFORMATION: primer
166 <400> SEQUENCE: 4
167 tttaaacggg tccatctccc                                20
170 <210> SEQ ID NO: 5
171 <211> LENGTH: 25
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial sequence
175 <220> FEATURE:
176 <221> NAME/KEY: misc_feature
177 <222> LOCATION: (1)..(25)
178 <223> OTHER INFORMATION: primer
181 <400> SEQUENCE: 5
182 catatgggga agcgatttgc gatgt                            25
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 24
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial sequence
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (1)..(24)
193 <223> OTHER INFORMATION: primer
196 <400> SEQUENCE: 6
197 ctcgaggacc agcaggatgg agaa                            24
200 <210> SEQ ID NO: 7
201 <211> LENGTH: 20
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial sequence
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (1)..(20)
208 <223> OTHER INFORMATION: primer
211 <400> SEQUENCE: 7
212 accacagtcc atgccatcac                                20
215 <210> SEQ ID NO: 8
216 <211> LENGTH: 20
217 <212> TYPE: DNA

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```

218 <213> ORGANISM: Artificial sequence
220 <220> FEATURE:
221 <221> NAME/KEY: misc_feature
222 <222> LOCATION: (1)..(20)
223 <223> OTHER INFORMATION: primer
226 <400> SEQUENCE: 8
227 tccaccaccc tggtgctgta                                20
230 <210> SEQ ID NO: 9
231 <211> LENGTH: 21
232 <212> TYPE: RNA
233 <213> ORGANISM: Artificial sequence
235 <220> FEATURE:
236 <221> NAME/KEY: misc_feature
237 <223> OTHER INFORMATION: double-stranded small RNA
240 <400> SEQUENCE: 9
241 ggaagcggug ucuugaugau c                                21
244 <210> SEQ ID NO: 10
245 <211> LENGTH: 21
246 <212> TYPE: RNA
247 <213> ORGANISM: Artificial sequence
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <223> OTHER INFORMATION: double-stranded small RNA
254 <400> SEQUENCE: 10
255 gggaagcgau uugcgauguu c                                21
258 <210> SEQ ID NO: 11
259 <211> LENGTH: 21
260 <212> TYPE: RNA
261 <213> ORGANISM: Artificial sequence
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <223> OTHER INFORMATION: double-stranded small RNA
268 <400> SEQUENCE: 11
269 ggaacaagug ccgagagccu c                                21
272 <210> SEQ ID NO: 12
273 <211> LENGTH: 21
274 <212> TYPE: RNA
275 <213> ORGANISM: Artificial sequence
277 <220> FEATURE:
278 <221> NAME/KEY: misc_feature
279 <223> OTHER INFORMATION: double-stranded small RNA
282 <400> SEQUENCE: 12
283 gggugcugcg gcaacgaggg c                                21
286 <210> SEQ ID NO: 13
287 <211> LENGTH: 21
288 <212> TYPE: RNA
289 <213> ORGANISM: Artificial sequence
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature

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RAW SEQUENCE LISTING

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TIME: 09:23:44

Input Set : A:\SPT-0001 Sequence Listing.txt

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293 <223> OTHER INFORMATION: double-stranded small RNA

296 <400> SEQUENCE: 13

297 guuuuaaccu ccgagaugag c

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VERIFICATION SUMMARY

DATE: 11/07/2005

PATENT APPLICATION: US/10/541,247

TIME: 09:23:45

Input Set : A:\SPT-0001 Sequence Listing.txt

Output Set: N:\CRF4\11072005\J541247.raw

9 M:270 C: Current Application Number differs, Replaced Current Application No
9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
27 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:24